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AMENDMENTS TO THE CLAIMS

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1. (Currently Amended) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

and deformable aptation device coupled to about an axis of the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member coupled to the tether including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient.

wherein the tether extends through the aptation device and the distal end of the tether extends beyond a distal end of the aptation device.

2. (Canceled)

3. (Currently Amended) -The apparatus of claim 1, An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle wherein the tether comprises a sheath and a duplex spring, wherein the sheath surrounds the duplex spring about a length of the duplex spring;

an aptation device coupled to the tether at a position corresponding to a location to
contact cusps of an atrioventricular valve during systole, the aptation device comprising a body
having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart.

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, and

wherein the distal end of the tether extends beyond a distal end of the aptation device.

- 4. (Original) The apparatus of claim 3, wherein the sheath of the tether comprises a material that resists thrombosis.
- 5. (Original) The apparatus of claim 1, wherein the tether comprises sufficient torsional stiffness to respond in kind at the distal end to a torque applied at the proximal end.
- 6. (Previously Presented) The apparatus of claim 1, wherein the fastening member is coupled to a distal end of the tether and the tether comprises sufficient tensile stiffness to withstand an extension of the tether in response to ventricular pressure changes.
- 7. (Original) The apparatus of claim 1, wherein the distal end of the tether comprises a fastening member adapted to couple the tether to a wall of a ventricle in response to a torque applied to the proximal end of the tether.
- 8. (Currently Amended) The apparatus of claim 7, An apparatus comprising:

 a tether having a length suitable for extending through a ventricle of a heart from, at a

 proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and
 a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including wherein the fastening member comprises a helical anchor coupled to a distal end of the tether having a length that may be completely embedded in a wall of a ventricle.

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, and

wherein the distal end of the tether extends beyond a distal end of the aptation device.

- 9. (Original) The apparatus of claim 8, wherein the helical anchor comprises a barbed coiled spring.
- 10. (Currently Amended) The apparatus of claim 7, An apparatus comprising:

 a tether having a length suitable for extending through a ventricle of a heart from, at a

 proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and
 a papillary muscle within the ventricle:

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member comprising a projection capable of anchoring the fastening member to a wall of a ventricle of a heart.

wherein the tether and aptation device are suitable for percutaneous delivery to a patient.

wherein the distal end of the tether extends beyond a distal end of the aptation device.

and

wherein the distal end of the tether comprises a fastening member adapted to couple the tether to a wall of a ventricle in response to a torque applied to the proximal end of the tether further comprising and a patch having a cross-sectional area greater than a cross-sectional area of the tether and coupled about an axis of the tether at a portion proximal to the fastening member.

11. (Currently Amended) The apparatus of claim-1An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a

proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and
a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient,

wherein the distal end of the tether extends beyond a distal end of the aptation device, and

wherein the tether has a length suitable for extending, at a proximal end, through an interatrial septum, the apparatus further comprising a patch having a cross-sectional area greater than a cross-sectional area of the tether and coupled about an axis of the tether at a portion, when the tether is placed through an interatrial septum and coupled at its distal end to a wall of a ventricle, that is proximal to the interatrial septum.

- 12. (Original) The apparatus of claim 11, further comprising a fastening member adapted to fasten a distal side of the patch to the interatrial septum.
- 13. (Original) The apparatus of claim 12, further comprising a stop coupled to the tether at a position on the proximal side of the patch.

Claims 14-16 (Canceled)

- 17. (Currently Amended) The apparatus of claim 1, wherein the aptation device is coupled to about the tether at a position corresponding to a position between cusps of an atrioventricular valve when the tether is positioned through an atrioventricular valve, and having a size suitable, when placed between cusps of an atrioventricular valve, that the cusps will aptate against the aptation device.
- 18. (Original) The apparatus of claim 17, wherein the aptation device comprises a cylindrical body.
- 19. (Original) The apparatus of claim 17, wherein a proximal end of the aptation device is coupled about an axis of the tether.
- 20. (Original) The apparatus of claim 17, wherein the aptation device comprises an ellipsoid body.

- 21. (Canceled)
- 22. (Currently Amended) The apparatus of claim 1 An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart.

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, wherein the distal end of the tether extends beyond a distal end of the aptation device, and

wherein the aptation device is coupled to the tether at a position corresponding to a position completely within an atrium during systole when the tether is positioned through an atrioventricular valve, such that one or both cusps contact a surface of the aptation device during systole.

23. (Original) The apparatus of claim 1, wherein the aptation device has a size that is less than a commissure of the cusps of the atrioventricular valve.

Claims 24-27 (Canceled)

- 28. (Original) The apparatus of claim 1, wherein the aptation device comprises a material that inhibits thrombosis.
- 29. (Canceled)
- 30. (Currently Amended) The apparatus of claim 1 An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart.

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, wherein the distal end of the tether extends beyond a distal end of the aptation device,

wherein the tether comprises a conductive lead.

31. (Original) The apparatus of claim 1, wherein a coupling point of the aptation device to the tether is adjustable.

Claims 32-72 (Canceled)

and